USCG Auxiliary
Assistant Pollution Response Specialist
(AUX-ET)

Performance Qualification System (PQS) Workbook

USCG Auxiliary Assistant Pollution Response Specialist (AUX-ET)

INTENT

Upon successful completion of this personal qualification, a person will hold the minimum competencies to assist a qualified FOSCR in an Oil Pollution Response. Auxiliarists should not be exposed to conditions posing an elevated health or safety risk (ex. HAZMAT Spills, Hazardous Gas releases, carcinogenic cargoes, etc), or conditions that require a response team to be armed.

Marine Safety and Environmental Protection Training Guide

Assistant Pollution Response Specialist

This booklet is your personal 'on the job training' guide to qualification as an Auxiliary Pollution Response Specialist. It is your responsibility to document completed unit training items. For OJT, a person already holding this qualification code (called a verifying officer/mentor) is to review your qualifications and/or observe you perform each task and sign in the appropriate space provided in this booklet. It may be necessary to perform a task several times. The verifying officer will not give credit for any task that is not performed satisfactorily.

Multiple verifying officers may make entries in your manual. Every verifying officer/mentor must enter his or her name, rate/rank or Auxiliary qualification, signature, and initials in the Record of Verifying Officers section. When you have completed all of the items required by your command for this qualification, your command will issue a letter of designation.

USCG Auxiliary Assistant Pollution Response Specialist (AUX-ET)

Assistant Pollution Response Specialist (AUX-ET) Training Requirements:

(Optional items are at the discretion of individual commands)

		Date Completed	Verifying Officer
A.	Completion of training courses (attach copy of completion certificates):		
	1. Complete Introduction to Marine Safety and Environmental Protection Course		
	2. Complete HAZWPR training		
B.	Oral board (unit level) – ET		
C.	Completed package with documentation submitted to Training Officer/Coordinator for review		

All qualification requirements have been satisfactorily completed.

_____ _____

Training Officer/Coordinator Date

Record of Verifying Officers:

Date:	***Name/Signature:***	***Initials:***	***Rate/Rank/Office:***

References:

The following references will aid you in completing the majority of tasking in this manual:

- The Marine Safety Manuals, COMDTINST M16000 (series).
- Chemical Hazards Response Information System (CHRIS), COMDTINST M16465.12C.
- The Federal Water Pollution Control Act (FWPCA), as amended.
- The Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended.
- 29 CFR 1910.120.
- 33 CFR 2, 6, 88, 130, 135, 153, 154, 155, 156, and 160.
- 40 CFR 260-265, 279, 300, 300 App., 302, 310, and 355.
- 49 CFR 172.101 App., 173, 172.6 and 172.7.
- National Pollution Funds Center User Reference Guide.
- U. S. Coast Guard Federal On Scene Coordinator Finance and Resource Management Guide.
- Incident Command System (ICS) *National Training Curriculum*.
- Your units Area Contingency Plan (ACP).
- "The World Catalog of Oil Spill Response Products."
- "Training Reference for Oil Spill Response," *DOT/EPA/DOI*.
- "Response to Marine Oil Spills," International Tanker Owners Pollution Federation.
- NIOSH Pocket Guide to Chemical Hazards.
- "Threshold Limit Values for Chemical Substances and Physical Agents," ACGIH.
- DOT "Emergency Response Guidebook."
- National Oceanic and Atmospheric Administration (NOAA):
  - "Shoreline Countermeasures Manual"
  - "Shoreline Assessment Manual"
  - "Mechanical Protection Guidelines"

Task No.	*OJT Task*	*Date Completed*	*Verifying Officer's Initials*
	GENERAL		
AET1	Identify the four phases of an oil spill incident. (40 CFR 300.300 – 315)		
AET2	Define the types of incidents over which the U. S. Coast Guard, the U. S. Environmental Protection Agency, the U. S. Department of Defense, and the U. S. Department of Energy have FOSC authority and responsibility. (40 CFR 300)		
AET3	List the factors for determining the size of a spill (inland and coastal): (40 CFR 300)		
	a. Minor		
	b. Medium		
	c. Major		
AET4	Define the following characteristics which may be considered prior to responding to a spill: (CHRIS Manual, NIOSH Pocket Guide, ACGIH Pamphlet, DOT Emergency Response Guidebook)		
	a. Hazard Class		
	b. Reactivity		
	c. Physical State		
	d. Specific Gravity		
	e. Vapor Density		
AET5	For a likely source of a spill in your AOR, obtain the following local on-scene data, both current and forecast:		
	a. Tides & Currents		
	b. Wind conditions		
	c. Temperature		
AET6	Plot a simple oil spill trajectory based on the data obtained in AET5. ("Response to Marine Oil Spills," ITOPF)		
AET7	Identify the agency or agencies which may assist in determining the fate of an oil/hazardous substance spill in your AOR.		

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AET8	Demonstrate the ability to obtain a:		
	a. Federal Project Number:		
	b. CERCLA Number:		
AET9	Draft the following message traffic:		
	a. POLREP.		
	b. Request to Open OSLTF.		
	c. Ceiling Increase.		
AET10	List the federal and state agencies involved with pollution response in your AOR. Specifically identify those represented on the RRT. (40 CFR 300.115)		
AET11	Describe the responsibilities and abilities of the RRT and other federal or state agencies that might be involved with pollution response.		
AET12	Describe the state's responsibilities for:		
	a. Removal Actions. (33 CFR 133.17)		
	b. Record keeping. (33 CFR 133.19)		
	c. Record retention. (33 CFR 133.21)		
	d. Investigation to determine the source and responsible party. (33 CFR 133.23)		
AET13	Describe the FOSC's public information responsibilities during a pollution response and summarize the Commandant's Public Affairs Policy.		
AET14	Explain the contents and use of Basic Ordering Agreements. (BOAs)		
	OIL SPILL CONTROL		
AET15	Properly document two initial pollution reports.		
AET16	Identify the (4) uses of boom. (33 CFR 154, App. C)		
AET17	Identify the advantages/disadvantages of the (4) basic types of boom:		
	a. Curtain Boom.		
	b. Fence Boom.		
	c. External Tension Member Boom.		

Task No.	*OJT Task*	*Date Completed*	*Verifying Officer's Initials*
	d. Special Purpose Boom (identify possible types):		
AET18	Identify the (5) basic components of oil discharge containment boom and the purpose of each.		
AET19	Demonstrate ability to deploy at least two possible anchoring techniques for boom deployment:		
	a. in open water		
	b. near the shoreline.		
AET20	Demonstrate ability to employ the following booming techniques:		
	a. Diversion booming:		
	1. Chevron;		
	2. Open chevron;		
	3. Cascading.		
	b. Exclusion booming.		
	c. Containment booming.		
AET21	Define and explain the consequences and prevention of:		
	a. Boom failure.		
	b. Entrainment.		
	c. Structural damage (mechanical boom failure).		
AET22	Identify the advantages/disadvantages of the following physical containment methods:		
	a. Physical barriers (non-boom).		
	b. Diking/berming.		
	c. Trenching.		
	d. Overflow and underflow dams.		
AET23	Identify the limitations and explain the mode of operation of the following common skimmer types:		
	a. Weir.		
	b. Suction.		
	c. Submersion.		

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	d. Vortex/Centrifugal.		
AET24	Demonstrate the proper operation of at least one skimmer.		
AET25	Identify the skimmer types and sources available in your AOR.		
AET26	Explain the difference between "adsorbent" and "absorbent".		
AET27	Define and identify the following sorbents types:		
	a. Organic.		
	b. Inorganic.		
	c. Synthetic.		
AET28	Identify common dimensions and appropriate uses for the following forms of sorbents:		
	a. Pad, roll and blanket.		
	b. Sock, pillow, and sweep:		
	c. Pom-pom/snare:		
	d. Particulate:		
	SAFETY & OCCUPATIONAL HEALTH		
AET29	Identify the roles of volunteers in an oil response.		
	Identify the training requirements for volunteers at an oil response.		
	Define "Emergency Response" and state when a spill does not have to meet the requirements of 29 CFR 1910.		
	Describe hazardous material incident response zones and what activities may be conducted, or are prohibited, in these zones.		
	Identify the Personal Protective Equipment (PPE) required for personnel responding to unknown hazardous substance releases and for some of the more common hazardous substances in your AOR. (29 CFR 1910.120)		

Auxiliary Pollution Response Specialist – Incident Log

Date	*Incident Description*	*Position Filled*	*MISLE Case No.*	*FPN/ CERCLA No.*	*Verifying Officer's Initials*

NOTES